



For Information on HAM RADIO or Our Club - CALL

## THE NEXT MRAC MEETING

Date: **Thursday - AUGUST 25<sup>th</sup>, 1994**

Time: **7:30 P.M.**

Place: **Wauwatosa Savings and Loan at 7500 W. State in Wauwatosa, WI**

Program: **CQ magazine video "Getting Started in VHF".**  
**Also a Raffle of some "Electronics Treasures".**

August Meeting: **THU - SEPTEMBER 29<sup>th</sup>, 1994**

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## FROM THE PRESIDENT'S DESK

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It's great to see so many of you joining in our Club activities. Our Saturday morning Breakfast Club(?) had over twenty members and guests on August 6th. one of our Past presidents, Harry - KD9AJ and his XYL Donna - N9INT joined us along with Tom Black K6TUU from California. Tom is now a part time resident of Wauwatosa. The QRM was high but, it seems to drop after the food hits the table! (You could even call it a food filter). It's not all Ham radio, but, the laughter and jokes are fun.

I would also like to say thank you to all of you who are using our repeater. Jim Tromblay and I are tweaking it all the time. It is now quite stable.

Please, remember that our school starts on September 7th. We are still looking for help. Teachers ARE needed, so how about you joining us?

See you at our next meeting.

73

Ed - W9PWG



**75  
YEARS**  
of  
Continuous  
Club Activity!

**W9RH**

**CLUB CALL**

**AUG - 1994**

## CLUB OFFICERS:

President:	W9PWG
Ed Wille	461-5961
1st VP:	W9VQD
Travis Baird	352-9642
2nd VP:	W9UVV
Roger Zaun	242-4931
Secretary:	W9NZF
Fred Linn	377-3280
Treasurer:	KA9ONQ
Orv Stewart	527-2663

## Board of Directors:

Dave DeFebo	WB9BWP	529-5583
Pancho Doneis	KA90FA	344-4694
Ken Eggert	W9MOT	796-0969
Jack Krause	W9JK	774-6999
Joe Rayome	KE9LL	463-7668
Jim Tromblay	WB9LNU	1-968-2724

## Editor

Pancho Doneis	KA90FA	344-4694
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## Circulation/Roster

Jerry Thompson	WA9SFH	354-6943
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Use Our  
**W9RH Repeater**  
 147.045 MHz + offset



## MILWAUKEE AREA NET INFORMATION

DAY	TIME	MHZ	ACTIVITY
DAILY	6-8 AM	14.290	Wisconsin/Florida Net (SSB)
MON-FRI	8:30 AM	3.965	After Breakfast Club (SSB)
MON	8:00 PM	146.445	Emergency Net
MON	9:00 PM	146.670	ARES Net (Milwaukee-Waukesha)
MON	9:00 PM	50.160	6 Mtr. General Net
TUE	7:00 PM	442.200	General Racine N9OEZ rep. General
TUE	8:00 PM	7.035	A.F.A.R. Net (CW)
WED	8:00 PM	28.365	10-10 International (Milwaukee Ch.) (SSB)
THU	9:00 PM	50.160	6 Mtr. General interest Net
THU	9:00 PM	146.910	Computer Net
FRI	8:45 PM	28.400	W9RH 10 meter MRAC Station Net(SSB)
FRI	9:15 PM	147.045	W9RH 2 mtr net following the 10 mtr net
SAT	9:00 PM	146.910	Saturday Nite Fun net
SUN	8:00 PM	28.365	10-10 International (Milwaukee Ch.) (SSB)
SUN	8:00 PM	146.910	Information Net
SUN	8:30 AM	3.985	QCWA - (Chptr. 55) (SSB)
SUN	9:00 PM	146.910	Swap Net
SUN	10:00 AM	443.800	FM-38 Link to 146.88 Baraboo SWAP Net

The 2 meter frequencies are -600 khz offset FM repeaters. FM38 is +5 Mhz offset, tone 114.8 The 10 meter frequencies are upper sideband (USB). If there are additions, changes, or corrections to this list, please contact: Pancho KA9OFA. 344-4694 or call 466-HAMS.

### EDITOR'S NOTES

Dear friends,

It looks like we ( the Club) had a successful Special Event up at Pioneer Village on August 13. We did have a good turnout, celebrated Ed Wille's 70th birthday and made some radio friends via Ham radio.

I'm sorry to say that I couldn't be there due to other commitments, but I did try to get in on the festivities via 10 meter communications, but band conditions being what they were, I was unable to hear any more than one station and that was not W9RH.

I wish to make note of and extend special thanks to Byron Bye, JR. - N9RTL for the nice job he did in publicizing our special event in the Tosa, West, Falls, and North editions of the Bargain Express. I hear that The Bargain Express has a total circulation of around 300,000-380,000. I vote that we make him the new Publicity Director for our Club.

By the way I understand that in Sept. 1924 of our newsletter when Ed Howel - W9CVI was president of our Club, we had a sum total of \$14.12 in the treasury. Also the ARRL officially adopted the language Esperanto for usage in HAM radio.

Our Christmas Party will be at Alioto's on Hwy 100 on Dec 11, 1994.

We will have a special questionnaire for you to fill out when you again pay your dues which will be due in the end of December or the beginning of January.

Note our new slogan for the Club:

**From Spark to Space  
1917-1994**

Well, I guess that just about wraps it up for now.

73

*Pancho*

Pancho - KA9OFA



## FCC HAM RADIO EXAMS

### Wednesday Exams

All Grades MRAC VEC \*

**Third Wed. of each month at 6:30 pm**

Village at Manor Park (was Methodis Manor)

3023 S. 84th St.

Milwaukee, WI

Walk-ins are welcome, but preregistration is requested if possible. To register in advance, send a post card on which you have printed the grade of license for which you are applying, your name, address and telephone number to:

c/o Jack Krause-W9JK

1737 N. 116th St. or

Wauwatosa, WI 53226

c/o Las

Peterson - W9YCV

9741 W. Howard

Greenfield, WI 53228

For more information call:

**466-HAMS**

### Saturday Exams \*

**Last Saturday of Each Month**

**at 8:30 am**

**at Wauwatosa S&L**

**7500 W. State St. Wauwatosa**

### SWAT TEAM Exams \*

**2nd SAT of each month**

**at 1:00 pm**

**Wauwatosa S&L**

**6560 S. 27th ST.**

**Oak Creek, WI**

Enter the north end of the building,  
downstairs and follow the signs.

For more info call:

KB9QL - Norman McNew (414) 764-5998

or AA9DO - Joe Mettry (414) 761-9219.

\* Bring your license (if any) and 2 copies  
also the same for CSCE's you may have.

Originals will be returned to you.

**\$5.00 charge for exams for ALL  
classes of license.**



## KA9MXM REVIEWS THE JULY 28<sup>th</sup> MEETING

Our last meeting was held July 28, 1994, which had an attendance which totalled 35 including visitors. Self introductions were made. Rick Kissell - WB9GYT, Fred Reeklies (no license yet), Ron Shabaz A9WXB and John Wallace - N9XNY from the MRAC Amateur Radio School were welcomed. And had one volunteer his services to the club. Additional visitors were Marion Baird, Travis Baird's XYL, as well as former MRAC President, Harry Cieski KD9AJ and XYL, Donna Cieski - N9INT visiting with the Bairds from Brandenton, Florida. He is active on the Milwaukee - Florida net every morning. Harry has become quite an artist, and showed snapshots of his endeavors (paintings), which were very good and professional looking. He informed me that he has sold quite a few of his paintings.

In the absence of Fred Linn, Roger Zaun - W9UVV read the minutes of the June meeting. Ed Wille - W9PWG, pres., read the Treasurer's report in the absence of Orv Stewart - KA9ONQ. Orv has indicated that, due to ill health and other commitments he would like someone to take his place as Treasurer.

W9PWG told us about setting up a Ham station at Discovery World at the Milwaukee Public Museum. Ed had a line of young people to talk on the radio. While talking to a local HAM one young lad (about 8 yrs. old) asked "By the way, what planet are you on?". Playing along with the question, he pondered the question of seconds and said, "I think I'm on the same planet as you."

Ed spoke about the progress being made on the MRAC repeater. A solid state power supply and power amplifier have been ordered and should arrive in a few weeks. Ed and Jim Tromblay - WB9LNU were advised by various individuals including the manufacturer not to touch the tuned cavity, but being on the suspicious and more than a little on the daring side, took the connectors off and found corrosion under them. Well, to make a long story shorter, they cleaned them up and (Voila!), the SWR dropped to an acceptable level and the system is working quite well with the aid of an amplifier (borrowed from Fred Linn). Now the receiver is virtually free of shading from the transmitter.

Ed reminded us of the upcoming Special Event station on Saturday August 13th at Pioneer Village (north of Cedarburg to commemorate 75 years of continuous club activity. A request was made for help to set up about 8:30, be operational by 10:00 am, operate til 4:00 pm, and tear down and clean up around 4:15 pm. A request was made for operators for both CW and Phone operators. Operating frequencies are: W9RH repeater 147.045 + offset, 146.52 simplex, 28.400 MHz SSB, 21.350 MHz SSB,

14.250 MHz SSB and CW operation from the old Cedarburg RR depot telegrapher's desk on 7.1 and 3.6 MHz. Ed and Jim are working on a design for a special event QSL card. As mentioned previously, if you work W9RH at Pioneer village and you would like a QSL card, send in a request to the Club along with a SASE (self addressed envelope with 29 cents postage on it). Let's all cooperate and make this a big event.

Speaking of events, the MRAC Christmas Party will be held Sunday Dec. 11, 1994 from 5:00 pm on at the Alioto Restaurant on highway 100 and W. Burleigh St.

Ed called upon our new Club historian, Jim Tromblay - WB9LNU to give us a report on his club history project. He indicated that the Club started unofficially in January 1917 with four radio amateurs: Dr. Hillegas Baird - 9HO (the first pres.), A.C. Kletzich, Jr. - call (?), J.B. Hitz - call (?), and Alonzo Paueling - call (?). by 1919, the group had grown considerably to the point where they drafted their constitution and were chartered with the ARRL (American Radio Relay League). The group was known then as the Milwaukee Amateur Radio Club and published a paper known as the "Badger News". Club dues were fifty cents a month and by 1922, meetings were held at the old Public Museum now part of the Milwaukee Public Library building. At the time the Club was founded, Radio Licenses were good for only 3 years. The Club even had an Auxiliary, which helped with various functions of the Club. Jim passed around two Club QSL cards, one showing a picture of the Club radio van and Trailer with the Club call letters W9RHM emblazoned on the sides. The original framed ARRL charter from 1919 signed by the first ARRL president, Hiram Percy Maxim - W1AW, was passed around.

When Jim finished his report, Ed talked about early Magnetrons and CRT's (Cathode Ray Tubes). Before WWII England made about four Magnetrons a month. England asked Raytheon in the USA if it could produce the Magnetrons and eventually they were manufactured at the rate of 10,000. The idea of the magnetron was conceived in 1903.

We took a break at 8:40 pm and Bill Jones - KF9FA served the refreshments. After the break Ed showed the video, "Getting Started in amateur Satellites" after which we had the raffle of electronic goodies and the meeting was finished by 10:00 pm.

73's from George Philbert - KA9MXM

*George Philbert*



## REPEATER UPDATE

As of August 5th Ed Wille and I have installed the club's new solid state 120 Watt amplifier and 50 Amp. 12 Vdc power supply. All coax cables are now double shielded and cut to the exact length required to provide a good match between the equipment.

There are still 2 tubes in the system. They are in the 10 Watt exciter. Everything else including all power supplies are transistorized. It appears that the system will finally be stable and operational all the time.

The instability problem turned out to be a corroded coupling assembly on the transmit cavity and the previous owners use of the wrong type of coax between the equipment.

The ERP (Effective Radiated Power) of the system now is approximately 250 watts. Based on Motorola's range chart, power and antenna gain and height,

our system should be effective 18 miles line of site in all directions from Ed's house. Of course under the right conditions and if the user has a good system, this range will be much further. Our future repeater site, if high enough, will increase our range also.

Please make it known to your friends on the repeaters that our repeater is open for their use and we would like them to try it.

Ed and I along with Roger Zaun and Fred Linn have spent a lot of time trying to get this repeater system to a point where we can all be proud of it. I want to thank all the Club members for keeping any negative comments in check and for all the positive words of encouragement. It is a pleasure to be associated with the members of the Milwaukee Radio Amateurs Club.

Jim - WB9LNU

## A BRIEF EARLY HISTORY OF MRAC by Jim Tromblay - WB9LNU

In January, 1917 the Club was founded by Dr. Loy S. Baird - 9HO, A.C. Kletzech Sr., J.B. Hitz and Alonzo Pawling. Our affiliation with the ARRL was signed Dec. 5, 1919.

The Club established three grades of membership in 1920 and charged each member 50 cents a month dues. The Grades of membership were:

- 1) Member - You had to pass a club test and be accepted by the board of directors.
- 2) Associate - had to be 18 years old and be interested in radio.
- 3) Junior - under 18 years old and be interested in radio.

On March 10, 1923 the Club was chartered as a corporation in Wisconsin and changed its name from Milwaukee Amateurs' Radio Club to Milwaukee Radio Amateur's Club.

Early Club officers served one year terms. Since 1917, the Club has had 48 members serve as president, some of which have served several times. Such as our present president, Ed - W9PWG.

The Club has six filing cabinet drawers full of Club history, not counting the last 3 administra-

tions. None of it is in order at present. I'm currently organizing everything by year starting with 1917.

I am also making a reference file of names and call letters of all Club members, past and present. This file will include a brief history of the members contribution to the Club (whatever can be found in the records).

Needless to say, an undertaking on such a vast scale of 75 years will take some time to do. Any history information that you, fellow Club members can help me with, such as old Hamateur Chatters, (or Badger News) pictures or a write-up of your memories would be greatly appreciated.

I am also looking for some help to write a brief world event History from 1917 to present on any major event that would help with the perception of time so our Club activities can be related to them. For example, what was happening in the U.S., wars in progress, the space program, first satellites, advancements in electronics, etc.

My ultimate goal is to write a book on the history of the first 75 years of the MRAC.

## HAM PLATES

Dear Amateur Radio friends,

I am a collector of amateur radio call letter auto license plates and my collection includes Ham plates from all 50 states, all the Canadian provinces and territories, plus a few others. I have shown my Ham plate collection at a couple of ARRL conventions and other Ham gatherings.

I am also the secretary of the Pioneer Chapter #183 QCWA here in western Massachusetts.

I am trying to find a 1952 Wisconsin Ham plate for

my collection. I believe this was the first year that Ham plates were issued in Wisconsin. Can you help me? Maybe you might know of someone who has one? I would be happy to pay for any expenses involved.

Thank you for your consideration!

73

Sincerely,



Mike Ludkiewicz - W1DGJ

143 Richmond Road

Ludlow, Massachusetts 01056



## SPECIAL EVENT DAY

8/13/94

What a fun day we had. Our Club's 75th anniversary, Special Event Station and our (MRAC) president's 70th surprise birthday party. Everyone had big smiles on their faces, a good time was the menu for the day.

Sue Wille, Kimberly Girard and Susan Liebl provided Ed's surprise birthday lunch and cake. And Fred Linn provided desert goodies, which is becoming a trade mark of his good hearted nature. Roger Zaun video-taped the fun and Ken Eggert took 35 mm. pictures.

Twenty-three Club members showed up to help set-up the 4 stations and help operate. I think it's fair to say that Orv Stewart had the most fun while operating 20 meters. His happy go lucky style had operators standing in line waiting to contact us. 40, 15, & 10 meters were disappointing due to poor band conditions. Two meters thru our newly vitalized repeater and on 146.52 simplex worked well from the high site at Pioneer Village.

Seventy five contacts were made on phone and CW during the 5 hours we were on the air. Our most distant stations were San Salvador, Mexico and Nova Scotia.

Carlos - N9MYL got on and spoke Spanish to our central American friends. We all enjoyed that!

One thing was very clear to me. We sure have a bunch of very nice people in our club. Those of you who couldn't make it, missed a very nice time.

Jim - WB9LNU



Members who attended were:

KA9CVL, KP9FA, WB9GYT, N9IBU, W9JK, WB9LNU, W9MOT, KA9MTY, KA9MXM, N9MYL, W9NZF, KA9ONQ, W9PWG, WA9SFH, N9TBF, N9TVA, K9TWE, N9UNS, W9UVV, N9VMD, Bette Schlesinger, N9VTN, N9XNY

## WHY "HAM" RADIO ???

Why an Amateur Radio Operator is called a "HAM" is unknown to most of us Hams. I found the following description in the March/April 1994 issue of THE AMATEUR RADIO COMMUNICATOR, on page 19:

According to the Northern Ohio Radio Society, the word ham was applied in 1908. It was the call letters of one of the first wireless stations, operated by members of the Harvard Radio Club. the 3 operators' names were:

Albert S. Hyman

Bob Almy

Peggie Murray

They called their station Hyman-Almy-Murray originally. This, however, proved too long to tap out in code! So, they changed it to HY-AL-MU. But in 1909, confusion arose, when HYALMU called a Mexican ship named HYALMO. Once again they changed their call sign to become HAM.

Albert Hyman chose the controversial Wireless Regulation Bill as the topic for his Harvard thesis. The Bill would have critically limited Amateur activities, in favor of commercial stations. Hyman's instructor saw that a copy of Hyman's thesis was sent to Senator David L Walsh.

Senator Walsh was then a member of one of the committees hearing the bill. The Senator was so impressed by the thesis, that he called Hyman to appear before the committee.

Hyman described to the committee how the HAM station was built. He almost cried when told the crowded committee room that if the bill past, the HAM station operators would have to close the station. They simply could not afford the hefty license fees and other federal requirements contained in the bill.

The HAM station became a symbol to all small Amateur stations in the country. Each Amateur station operator hoped to be saved from the selfish, greedy commercial stations who wanted to force them out.

Subsequently, when the bill came to the floor of Congress, every speaker spoke about the poor little station "HAM". The whole story can be found in the Congressional Record. The nationwide publicity connected the HAM station with Amateurs. Thus, an Amateur Radio Operator is called a HAM!

73 de Jim - KD6QVO @ N0ARY, #NOCAL.CA.USA.NA





### Club Meetings

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**West Allis Radio Amateur Club**  
Meets the second Tuesday of each month  
at 8:00 p.m.  
At St. Peter's Episcopal Church  
7929 W. Lincoln Ave.  
West Allis, WI

**Miller Valley Radio Amateur Club**  
Tuesday evenings at 6:30 p.m.  
at 703 N. 39th St.,  
just north of and almost under  
the former Wis. Ave. viaduct.  
For info contact; Art - WA9AWJ  
(found daily on the 145.13 repeater).

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### CLUB ACTIVITIES

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**W9RH-10 & 2 METER NETS**  
Come on up and join us on  
Our **W9RH Ten Meter Net** on Friday  
evenings at 8:45 PM at 28.4 MHz. SSB  
Then at about 9:15 we move to our  
**2 meter repeater**  
at 147.045 + offset  
We'd like to meet you there.

### CQ Third Tuesday

11:00 am  
Skanda House  
Hwy 100 & Oklahoma

Y'all come! to the  
**MRAC HAM BREAKFAST**  
every Saturday morning  
at 8:30 o'clock.

**Maxim's Restaurant**  
9143 W. Appleton Ave.  
(corner of 91st St.  
and Appleton Ave.  
near Timmerman Field)

Prices are reasonable,  
the food - good,  
and the company - excellent.

**Friday Evening CQ Food**  
First Friday of the month Fish Fry  
Quality Inn  
Hwy 100 and Bluemound

**2nd Friday**  
Serb Hall at 51st and Oklahoma  
Call: Warren - K9IZV  
on th 146.91 - offset  
for reservations by Noon on that FRI.  
Other Fridays  
Check in 5:00 pm  
Decision & finalization at 6:00pm  
and meet at  
CQ Food destination at 7:00pm  
Other CQ Foods on a random basis  
also called on this repeater  
"CQ Food" on WA9JOB 146.91 Repeater.

### NEWS CONTRIBUTIONS

Articles and information for the new-  
sletter should be received by the editor no  
later than the first of the month of  
publication. If received after the first of  
the month, its inclusion in that month's  
edition cannot be guaranteed. Your co-  
operation is appreciated.

Please mail submissions to:  
**Hamateur Chatter**  
c/o Pancho Doneis, KA90FA  
1958 N. 38th St.  
Milwaukee, WI 53208  
You may also call me at;  
**344-4694.**

Thanks to our news  
contributors this month:

WB9BWP	WB9LNU	W9PWG
W1DGJ	KA9MXM	KD6QVO



Travis Baird - W9VQD and wife Marion will celebrate their  
54th wedding anniversary on Oct. 5th.

**BEST WISHES!**

### SEPTEMBER BIRTHDAYS

Those members who are celebrating birthdays in September:

Fred Burrows - W5TGU	Richard Petzels - KP9PX
Jerome Dolezal - W9N3C	Chester Rainek - N9AAI
James Douglas - W9DR	Albert Roberts - AD9J
James Fischer - W9LPP	Carl Rohde - W9ROM
William Joyce - KA9IWS	Earl Winkel - KB9FUZ
Norman McNew - KB9QL	Roger Zaun - W9UVV

**Happy Birthday!**



## UPCOMING EVENTS

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**T.C.R.G. Hamfest and Computer Extravaganza - \***

## Radio Expo - \$

Lake County Fairgrounds  
Grayslake, IL

T/ I on CFMC Rptr 146.16/ 76 MHz

**K.M.R.A. Computer Fair and Hamfest - \***

Waukesha Cty. EXPO Center  
Waukesha, WI  
T/I 147.39 + Rptr

**Fort Wayne Hamfest  
and Computer Expo  
Allen County War Mem.  
Coliseum Expo Cntr.  
SAT - NOV 19 &  
SUN - NOV 20, 1994  
Fort Wayne, IN**

FRIENDLYFEST - \$

Waukesha Expo Center  
Waukesha, WI  
T/1 on 146.91-

### MRAC Christmas Party

Alioto's on Hwy 100 & Burleigh

W.A.R.A.C.

SUN - JAN 8, 1995

Waukesha Cty. EXPO Center  
Waukesha, WI  
T/I 147.39 + Rptr

*To get your SwapFest or other event into  
Hamateur Chatter*

*Sand Flier or write to:*  
**Hamateur Chetter**  
**c/o Pancho Doneis, KA9DFA**  
**1958 N. 38th St.**  
**Milwaukee, WI 53208**  
**or Phone (414) 344-4694**  
**or 466-HAMS**



P.O. Box 25707  
Milwaukee, WI 53225

Use Our  
**W9R.H Repeater!**  
147.045 MHz + offset

THIS MEETING  
THU-AUG 25, 1994

SEPTEMBER MEETING  
THU Sept. 29 - 1994

Celebrating  
**75 Years!**  
of Continuous Club Activity



Hamateur Chatter 8 AUGUST - 1994  
For Information about AMATEUR RADIO or M.R.A.C. call: 466-HAMS